

**AMENDMENTS TO THE CLAIMS**

Please **CANCEL** claims 1-13 as shown below.

Please **ADD** new claims 14 as shown below.

The following is a complete list of all claims in this application.

Claims 1-13 (Cancelled)

14. (New) A coal-based cellular product manufactured by the process comprising:
- selecting a low volatile bituminous coal and a high volatile bituminous coal;
  - grinding said low volatile bituminous coal to a size below about 1 mm;
  - grinding said high volatile bituminous coal to a size below about 1 mm;
  - loading each of said high and said low bituminous into a ceramic mold, wherein said low bituminous coal and said high bituminous coal are separated by partitions within the mold;
  - vibrating said mold to achieve a predetermined packing density of said low volatile bituminous coal and said high volatile bituminous coal;
  - removing said partition from said mold;
  - heating said mold under a non-oxidizing atmosphere to a temperature ranging from about 300°C to about 700°C; and
  - controllably cooling said coal-based product.